

## **Abstract**

A method for decellularizing separated skin is provided, the method involving simultaneous treatment with a protease and a surfactant. A highly reliable acellular dermal matrix and an  
5 optimum allogeneic acellular dermal matrix for simultaneous grafting with an autologous skin graft are also provided. Furthermore, there is provided a method for producing an acellular dermal matrix, the method including a decellularizing step of treating separated skin simultaneously with a protease  
10 and a surfactant, and there is also provided a composite cultured skin employing as a substrate the acellular dermal matrix.